

CLAIMS

1. A flexible tubular pipe for transporting fluids, particularly gaseous hydrocarbons, the pipe being of the unbonded type and comprising at least a carcass (2), a polymer internal sealing sheath (3) providing sealing for the transported fluid and one or more armor layers (5) and in which the carcass (2), situated inside the internal sealing sheath (3) consists of the interlocked spiral winding of a profiled element (7), characterized in that the turns of the carcass (2) are internally covered with a sheath (30) pierced with holes (31) that is intended to oppose turbulence of the fluid flowing in the pipe.
2. The pipe as claimed in claim 1, in which the turns of the carcass (2) form internal discontinuities (9) between them, characterized in that the holes (31) in the pierced sheath (30) are situated partially at the internal discontinuities (9) between the turns and prevent the antiturbulence sheath (30) from collapsing if the interior of the pipe is decompressed.
3. The pipe as claimed in claim 2, characterized in that at least 30% of the holes are partially situated at the internal discontinuities (9) between the turns.
4. The pipe as claimed in either one of claims 2 and 3, characterized in that the pierced sheath partially collapses at the internal discontinuities (9) between the turns.
5. The pipe as claimed in any one of claims 1 to 4, characterized in that the holes are oblong.

6. The pipe as claimed in any one of claims 1 to 5, characterized in that the holes (31) have a mean diameter of between 1 and 8 mm.
- 5 7. The pipe as claimed in any one of claims 1 to 6, characterized in that the holes (31) are positioned longitudinally in an offset manner.
- 10 8. The pipe as claimed in any one of claims 1 to 7, characterized in that the holes (31) are positioned with a spacing of between 5 and 100 mm.
- 15 9. The pipe as claimed in any one of claims 1 to 8, characterized in that the antiturbulence polymer sheath (30) is reinforced with fiber or with a latticework.